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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,458	07/17/2003	Wen-Shiou Lou	0941-0791P	9177
2292 BIRCH STEW	7590 12/28/200 ART KOLASCH & BI	EXAMINER		
PO BOX 747			STOCK JR, GORDON J	
FALLS CHURCH, VA 22040-0747		40-0747	ART UNIT	PAPER NUMBER
			2877	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE	
3 MO	NTHS	12/28/2006	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		Application No.	Applicant(s)				
		10/620,458	LOU ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Gordon J. Stock	2877				
Period fo	The MAILING DATE of this communication apport	pears on the cover sheet with the c	orrespondence address				
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period- are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailine ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 02 C	October 2006.					
2a)	This action is FINAL. 2b)⊠ This	s action is non-final.	·				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)□	Claim(s) 1-3 is/are pending in the application. 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) 1-3 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or						
Applicat	ion Papers						
10)🖾	The specification is objected to by the Examine The drawing(s) filed on <u>17 July 2003</u> is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	☑ accepted or b) ☐ objected to be drawing(s) be held in abeyance. See tion is required if the drawing(s) is objected to be described as a constant.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority (under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachmen	it(e)	·					
2) Notice 3) Infor	or(s) Dee of References Cited (PTO-892) Dee of Draftsperson's Patent Drawing Review (PTO-948) Mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Der No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Di 5) Notice of Informal F 6) Other:					

Application/Control Number: 10/620,458

Art Unit: 2877

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 2, 2006 has been entered.

Claim Objections

- 2. Claim 1 is objected to for the following: on line 3 'coordinator X-Y-Z' should read coordinate system, X-Y-Z-. Though applicant's disclosure uses 'coordinator' on line 1 of page 4 of specification, applicant also uses 'Cartesian coordinate X-Y-Z' on line 10 of page 5 of specification. 'Coordinator' ordinarily means 'something that brings into a common action.' Subsequently, Examiner has interpreted 'three-dimensional coordinator X-Y-Z' as –three-dimensional coordinate system, X-Y-Z-. Examiner suggests correction to specification and claim 1.
- 3. Claim 1 is also objected to for the following: 'to X-Z plane' of line 6 should read –to the X-Z plane-. Correction is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Application/Control Number: 10/620,458

Art Unit: 2877

5. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Page 3

As for claim 1, 'two-dimensional digital image to the Z coordinate' of line 8 and 'two-dimensional image to the X coordinate' of lines 10-11 are indefinite, for it is unclear how a two-dimensional image can be mapped to a single coordinate. Applicant's disclosure mentions mapping to axes (Applicant's disclosure: page 7 line 21 and page 8 line 26). Examiner has interpreted the unclear phrases as 'two-dimensional digital image to the Z axis' and 'two-dimensional image to the X axis' respectively. Examiner also would like to point out that the Applicant's disclosure does mention mapping to a coordinate (specification: page 7 line 30 and page 8 line 11).

As for claim 2, 'two-dimensional image to the Y coordinate' of lines 4-5 is indefinite, for it is unclear how a two-dimensional image can be mapped to a single coordinate. Applicant's disclosure mentions mapping to an axis (Applicant's disclosure: page 9 line 9). Examiner has interpreted the unclear phrases as 'two-dimensional digital image to the Y axis.'

As for **claim 3**, 'a first mapping table for the coordinate along the translating axis' of lines 12-13 and 'a second mapping table of the coordinate along an axis' of line 17 are indefinite, for it is unclear how a line image can be mapped to a single coordinate. Applicant's disclosure mentions mapping to axes (Applicant's disclosure: page 7 line 21 and page 8 line 26). Examiner has interpreted the unclear phrases as 'a first mapping table for a coordinate axis' and 'a second mapping table of a coordinate axis' respectively.

Allowable Subject Matter

6. Claims 1-3 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

As to **claim 1**, the prior art of record, taken alone or in combination, fails to disclose or render obvious in a method for calibrating a laser three-dimensional digitizing sensor establishing a second mapping table of the two-dimensional digital to the X axis according to the established first mapping table, in combination with the rest of the limitations of **claims 1-2**.

As to claim 3, the prior art of record, taken alone or in combination, fails to disclose or render obvious in a method for calibrating a laser three-dimensional digitizing sensor establishing a second mapping table of the coordinate along an axis perpendicular to the translating axis and the rotating axis from the established first mapping table, in combination with the rest of the limitations of claim 3.

Response to Arguments

7. Applicant's arguments filed October 2, 2006 have been fully considered and are persuasive in regards to the previous rejection under 35 U.S.C. 102(b). Due to the amendment of the claims and the persuasiveness of the arguments, the previous rejection under 35 U.S.C. 102(b) has been withdrawn. However, a rejection under 35 U.S.C. 112 second paragraph has been made. See above. Examiner apologizes for any inconvenience.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: JP 08005351 A to Takizawa

JP 2000161935 A to Kamigaki

Application/Control Number: 10/620,458

Art Unit: 2877

U.S. Patent 5,852,672 to Lu

U.S. Patent 6,101,455 to Davis

. Fax/Telephone Numbers

If the applicant wishes to send a fax dealing with either a proposed amendment or a discussion with a phone interview, then the fax should:

- 1) Contain either a statement "DRAFT" or "PROPOSED AMENDMENT" on the fax cover sheet; and
 - 2) Should be unsigned by the attorney or agent.

This will ensure that it will not be entered into the case and will be forwarded to the examiner as quickly as possible.

Papers related to the application may be submitted to Group 2800 by Fax transmission. Papers should be faxed to Group 2800 via the PTO Fax machine located in Crystal Plaza 4. The form of such papers must conform to the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The CP4 Fax Machine number is: (571) 273-8300

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gordon J. Stock whose telephone number is (571) 272-2431.

The examiner can normally be reached on Monday-Friday, 10:00 a.m. - 6:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr., can be reached at 571-272-2800 ext 77.

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Art Unit: 2877

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system, contact the Electronic Business Center (EBC) at 866-717-9197 (toll-free).

HWA (ANDREW) LEE PRIMABY EXAMINER

gs December 21, 2006 Gregory J. Toatley, Jr.
Supervisory Patent Examiner

Art Unit 2877